

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091422\  
 Data File : VD074293.D  
 Acq On : 14 Sep 2022 19:11  
 Operator : VA/SY  
 Sample : N4538-04  
 Misc : 5.62G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MBD-SB-2-3-4

Quant Time: Sep 15 04:15:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090922S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 10 04:45:19 2022  
 Response via : Initial Calibration

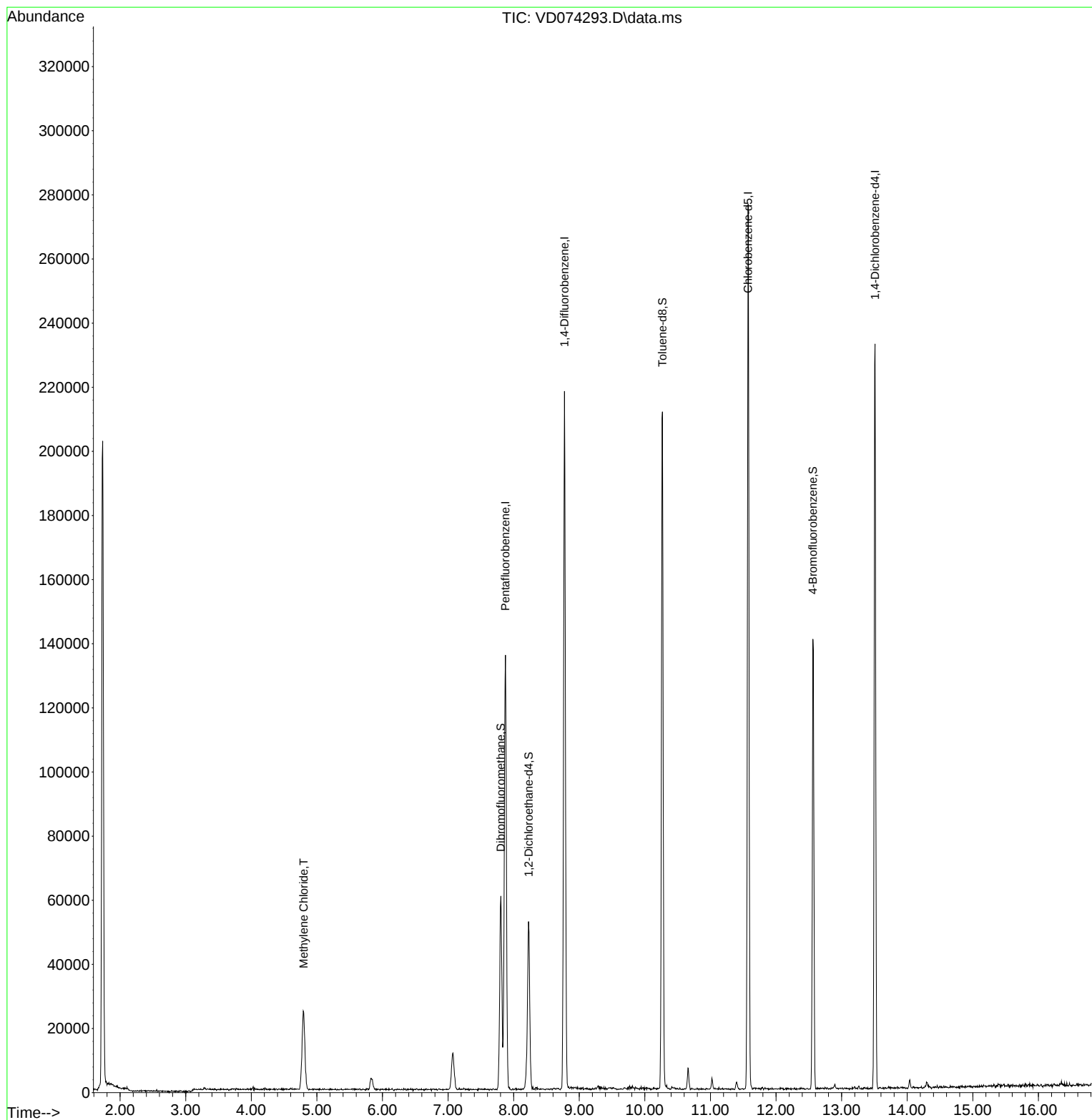
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 107096   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 185794   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.575 | 117   | 153485   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.510 | 152   | 63844    | 50.000   | ug/l   | 0.01     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 39376    | 36.063   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 72.120%  |
| 35) Dibromofluoromethane    | 7.804  | 113   | 43034    | 33.525   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 67.040%  |
| 50) Toluene-d8              | 10.269 | 98    | 148489   | 32.604   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 65.200%  |
| 62) 4-Bromofluorobenzene    | 12.563 | 95    | 43734    | 23.879   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 47.760%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 4.799  | 84    | 19638    | 9.374    | ug/l   | 93       |
| -----                       |        |       |          |          |        |          |

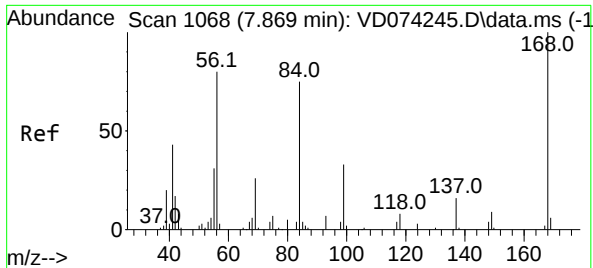
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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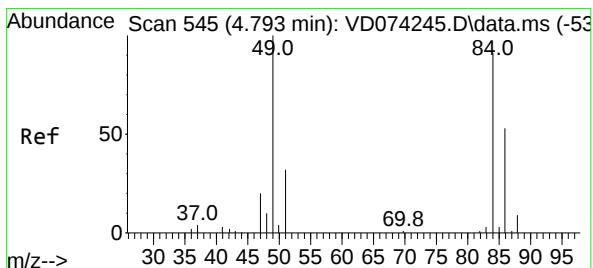
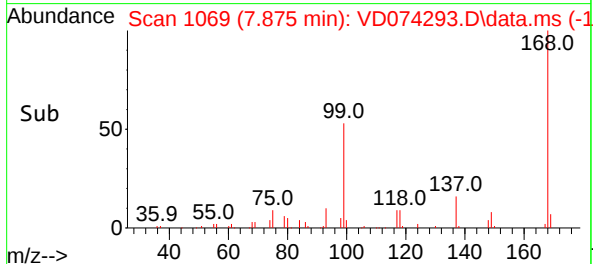
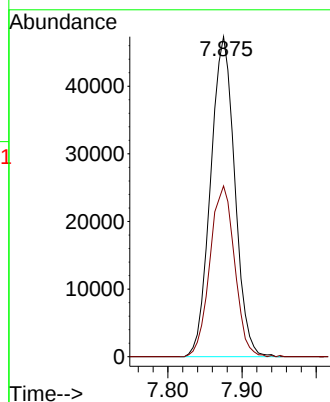
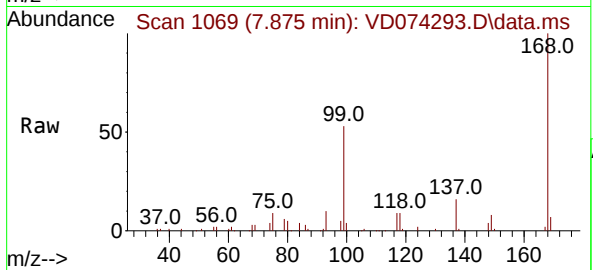




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1068  
Delta R.T. 0.006 min  
Lab File: VD074293.D  
Acq: 14 Sep 2022 19:11

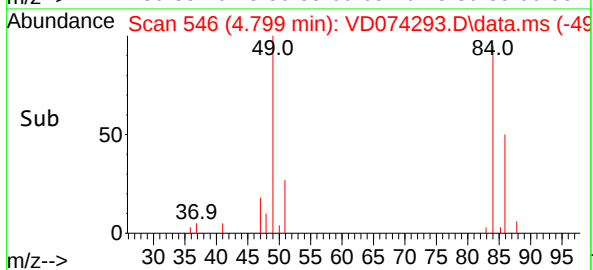
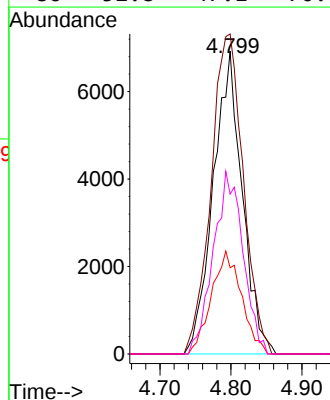
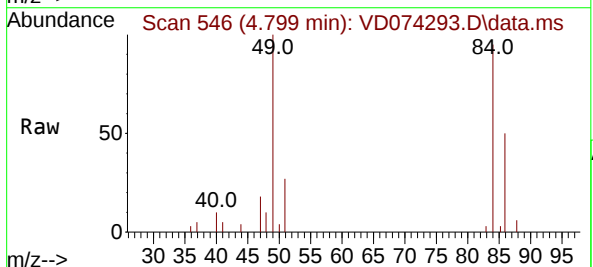
Instrument :  
MSVOA\_D  
ClientSampleId :  
MBD-SB-2-3-4

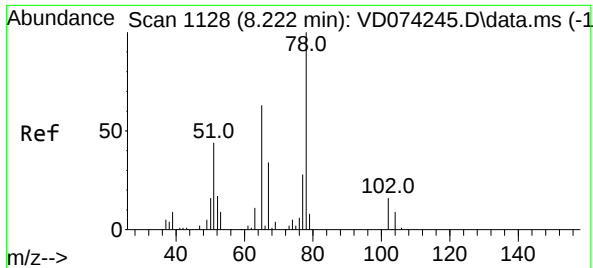
Tgt Ion:168 Resp: 107096  
Ion Ratio Lower Upper  
168 100  
99 53.4 43.0 64.6



#20  
Methylene Chloride  
Concen: 9.374 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD074293.D  
Acq: 14 Sep 2022 19:11

Tgt Ion: 84 Resp: 19638  
Ion Ratio Lower Upper  
84 100  
49 105.7 88.4 132.6  
51 28.5 28.0 42.0  
86 52.8 47.1 70.7





#33

1,2-Dichloroethane-d4

Concen: 36.063 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD074293.D

Acq: 14 Sep 2022 19:11

Instrument :

MSVOA\_D

ClientSampleId :

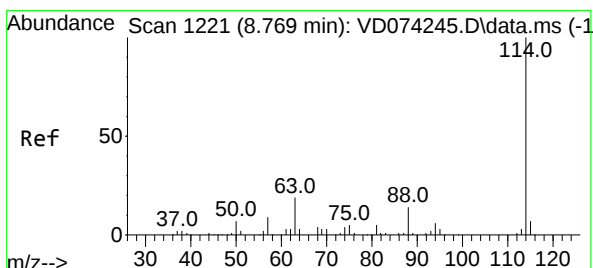
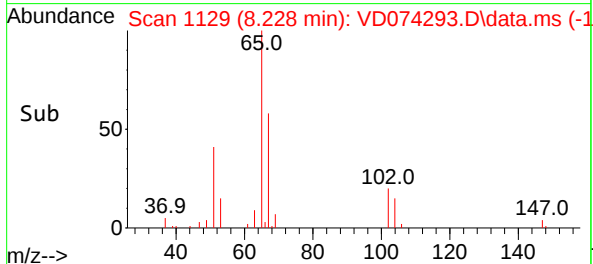
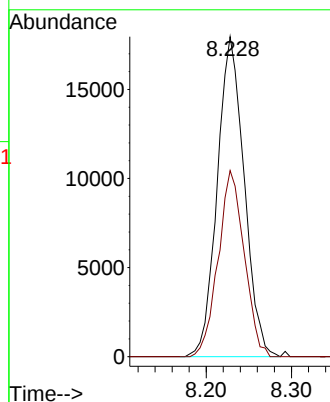
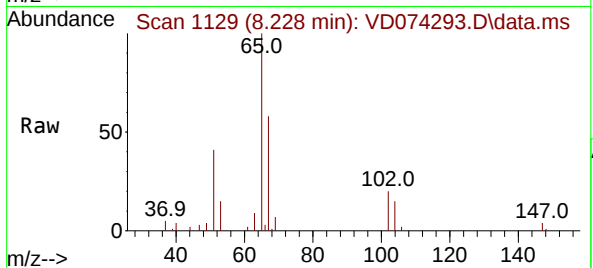
MBD-SB-2-3-4

Tgt Ion: 65 Resp: 39376

Ion Ratio Lower Upper

65 100

67 56.3 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VD074293.D

Acq: 14 Sep 2022 19:11

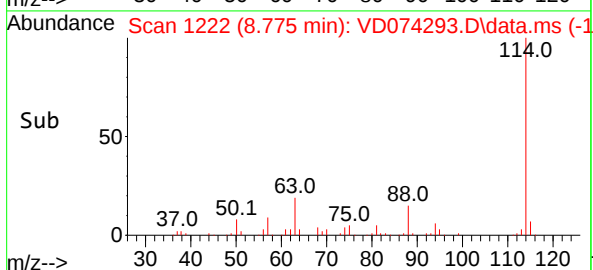
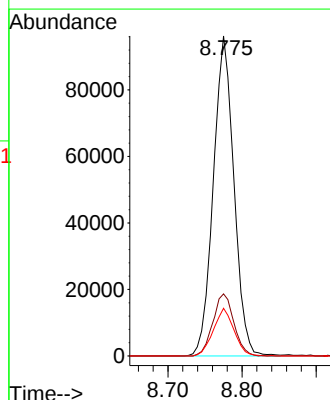
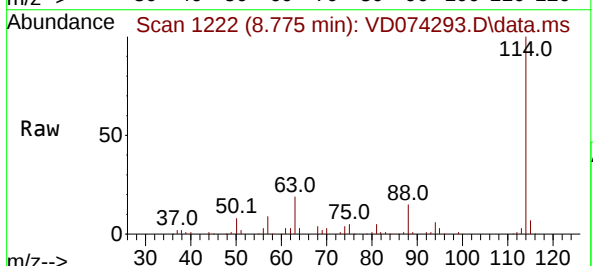
Tgt Ion: 114 Resp: 185794

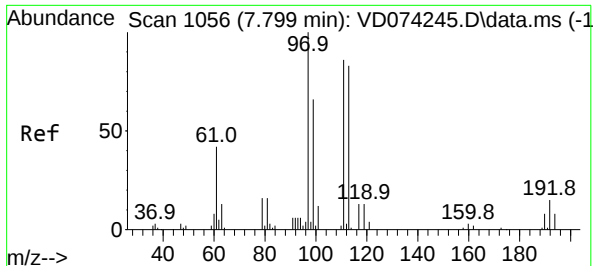
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

88 14.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 33.525 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD074293.D

Acq: 14 Sep 2022 19:11

Instrument :

MSVOA\_D

ClientSampleId :

MBD-SB-2-3-4

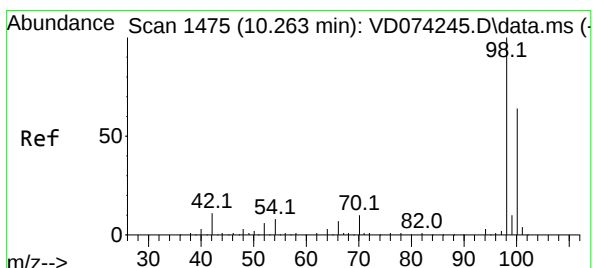
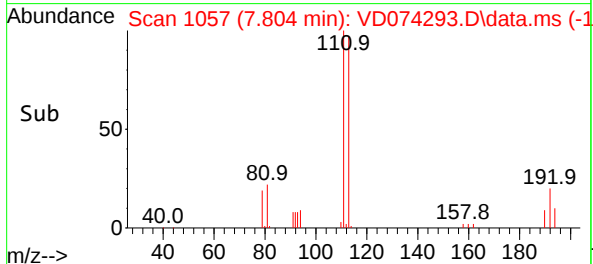
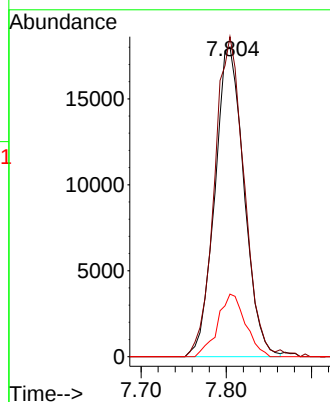
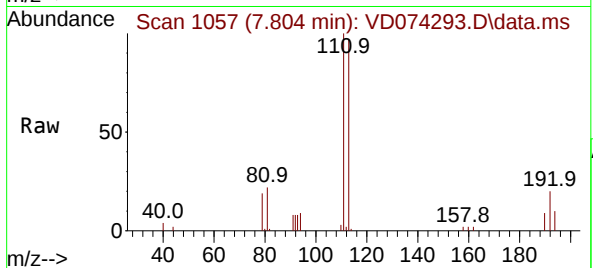
Tgt Ion:113 Resp: 43034

Ion Ratio Lower Upper

113 100

111 104.9 83.0 124.6

192 19.2 16.2 24.2



#50

Toluene-d8

Concen: 32.604 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD074293.D

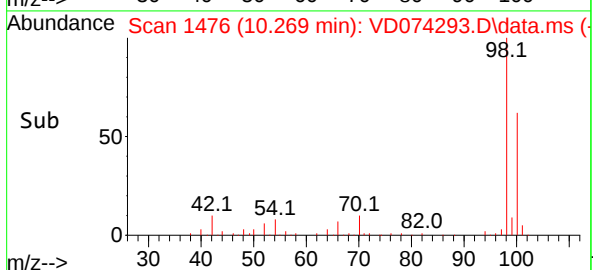
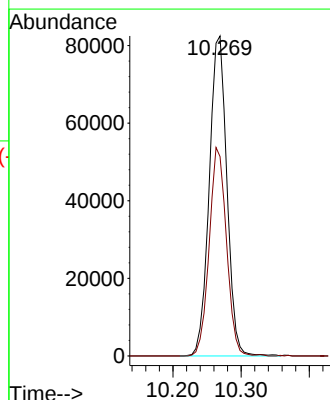
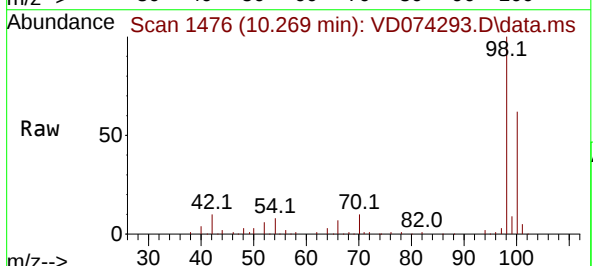
Acq: 14 Sep 2022 19:11

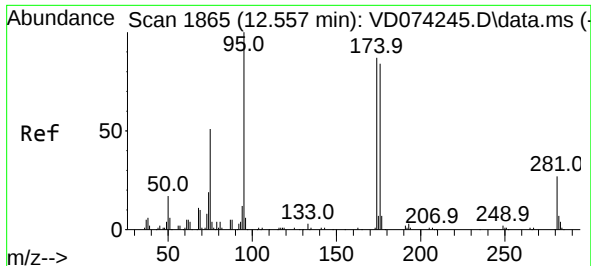
Tgt Ion: 98 Resp: 148489

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8

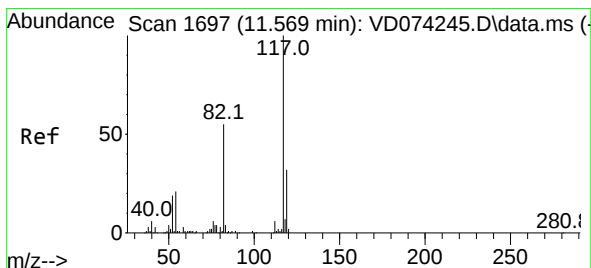
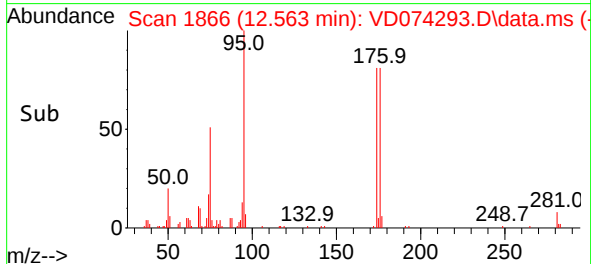
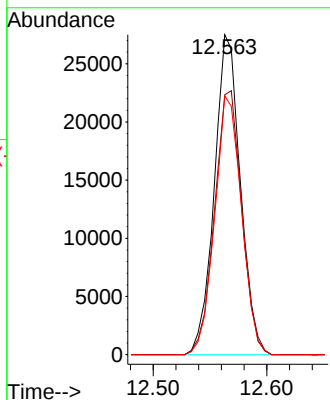
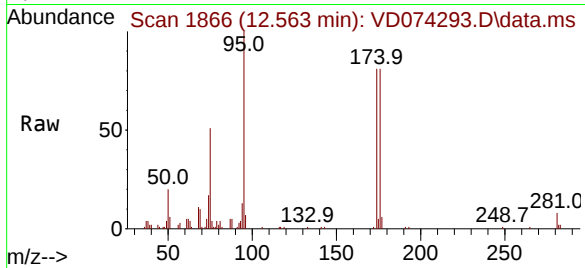




#62  
4-Bromofluorobenzene  
Concen: 23.879 ug/l  
RT: 12.563 min Scan# 1866  
Delta R.T. 0.006 min  
Lab File: VD074293.D  
Acq: 14 Sep 2022 19:11

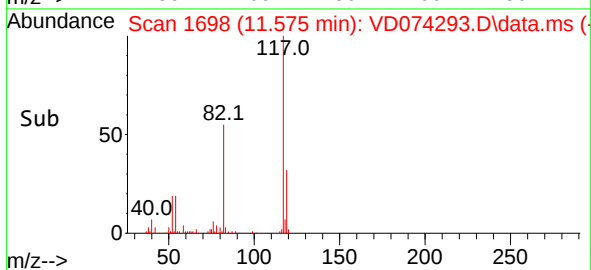
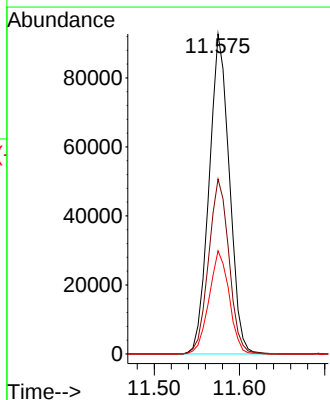
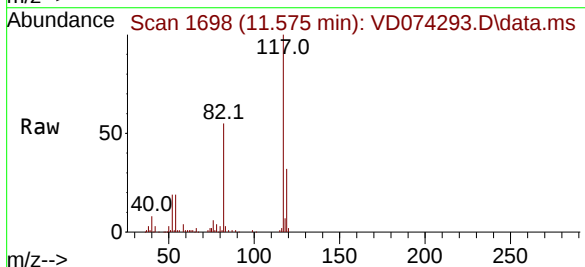
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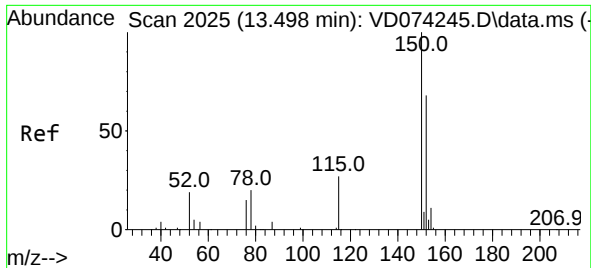
Tgt Ion: 95 Resp: 43734  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 179.2  
176 83.3 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.575 min Scan# 1698  
Delta R.T. 0.006 min  
Lab File: VD074293.D  
Acq: 14 Sep 2022 19:11

Tgt Ion: 117 Resp: 153485  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.2 66.2  
119 32.3 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.510 min Scan# 20  
 Delta R.T. 0.012 min  
 Lab File: VD074293.D  
 Acq: 14 Sep 2022 19:11

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MBD-SB-2-3-4

Tgt Ion:152 Resp: 63844  
 Ion Ratio Lower Upper  
 152 100  
 115 55.6 28.4 85.2  
 150 155.6 0.0 351.0

